INFORMATION LETTER

Not for Publication — NATIONAL CANNERS ASSOCIATION — For Members Only

No. 1519 — Washington, D. C. — December 29, 1954

Production of All Crops in 1954 Is Fifth Largest of Record; Aggregate of Vegetables for Processing Above Average

One of the larger volumes of crops was produced in 1954, despite acreage restrictions for several important crops and severe drought in a large part of the country, according to the year-end report by the Agricultural Marketing Service of USDA.

All-crop production in 1954 totals over 100 percent of the 1947-49 average. This is the fifth largest all-crop production of record, almost as large as the 101 percent in 1949, although well below the record 106 percent in 1948. The indexes were 103 percent in 1952 and 1953.

Harvested acreages of the principal crops totaled 337 million acres, 4.2 million acres less than in 1953. Yields per acre, however, ranged rather uniformly high for most crops, so that the composite yield index is 107.7 percent of the new 1947-49 base, virtually equalling the record of 107.8 set in 1948.

In attaining the large 1954 all-crop volume, only a few crops set new

(Please turn to page 369)

Report on 'Harvest Festival'

N.C.A. members on December 20 were mailed a report of the results of the Harvest Festival promotion, a part of the current Consumer and Trade Relations program tied in to the *American Weekly* editorial spread in September, "Entertaining Wonderfully with Dinners in Cans."

A record was made of sales increases resulting from special displays of banners, posters, and recipe leaflets by retailers in 16 cities. These increases, it was shown in the report, ranged from 2 to 14 percent over the period immediately preceding the promotion, and the increases applied to all canned foods sales, not merely those featured in the special displays.

The mailing to members included a letter from Secretary Carlos Campbell to the membership, reviewing the results of the test, and suggesting various methods by which the individual canner may plan and carry out his own promotions by adapting the C.&T.R. merchandising events to his firm's own program. Enclosed also was a two-page reprint of a special illustrated article describing these store tests which *The Canning Trade* published in its December 6 issue.

Federal Court Limits Fish Canning Exemption

The United States Court of Appeals for the First Circuit has recently ruled, in an injunction suit by the Secretary of Labor against a Maine fish canner, that the overtime exemption for fish cannery employees is limited to only those employees engaged in operations physically essential in the canning of fish.

The decision denied the applicability of the fish canning exemption in Section 13(b)(4) of the wage-hour law to certain employees, including office workers, bus drivers, "dead season" maintenance employees, and watchmen-firemen, whose activities were closely related and directly essential to the canning of fish but which could not be said to be part of the actual canning operations.

In its opinion, the Court of Appeals emphasized that the Section 13(b)(4) exemption for "any employee employed in the canning of any kind of fish" is phrased in terms of the activities of the employee, whereas many of the other minimum wage and overtime exemptions of the Fair Labor Standards Act are phrased in terms of the employer's activities. The Section 7(c) fruit and vegetable canning exemption, for example, is phrased in terms of employees of an "employer engaged in" first processing or canning. The Court concluded that Congress intended a differentiation between the two types of exemptions by these language variations.

The ruling of the First Circuit resulted from cross-appeals by both the Secretary and the defendant from a

(Please turn to page 367)

Monosodium Glutamate in Canned Vegetables

Announcement was published in the *Federal Register* of December 24 that amendments to the definitions and standards of identity for certain canned vegetables, permitting the use of monosodium glutamate as an optional ingredient, will become effective January 5.

In the announcement the Food and Drug Administration stated that no objections were filed to the order which it had published in November. This was reproduced in the INFORMATION LETTER of November 13, page 334.

The order amends the definitions and standards of identity for canned peas, green beans, wax beans, corn (sweet corn, sugar corn), and field corn, artichokes, asparagus, shelled beans, bean sprouts, lima beans or butter beans, beets, beet greens, broccoli, brussels sprouts, cabbage, carrots, cauliflower, celery, collards, dandelion greens, kale, mushrooms, mustard greens, okra, onions, parsnips, black-eye peas or black-eyed peas, field peas, green sweet peppers, red sweet peppers, pimientos or pimentos, potatoes, sweet potatoes, rutabagas, salsify, spinach, Swiss chard, truffles, turnip greens, and turnips to permit the use of monosodium glutamate as an optional ingredient.

Sugar Consumption Quota

A total of 8,200,000 tons of sugar has been determined to be needed to meet consumer requirements in the United States in 1955, it was announced by the U. S. Department of Agriculture December 21.

This determination for 1955 compares with an initial determination of 8,000,000 tons and a final quota of 8,250,000 tons for 1954.

"As in the past two years," Secretary Benson said, "the quotas have been set initially at a level below the indicated level of total sugar consumption for the year. This is done

(Please turn to page 367)

Schedule of Principal Events of the 1955 Convention

(Subject to Revision and Addition)

Tuesday, February 15

10 a.m.—Meeting of N.C.A. Scientific Research Committee, Room 10, Conrad Hilton

Wednesday, February 16

10 a.m.—Meeting of N.C.A. Scientific Research Committee, Room 10, Conrad Hilton

10 a.m.—Meeting of Technical Advisory Committee to N.C.A. Labeling Committee, Room 5, Conrad Hilton

3 p.m.—Meeting and Dinner, N.C.A. Home Economics Committee, Room 3, Conrad Hilton

Thursday, February 17

9 a.m.—Meeting of N.C.A. Processing Subcommittee on Foods in Metal Containers, Room 3, Conrad Hilton

10 a.m.—Meeting of Canning Industry Research, Inc., Room 9, Conrad Hilton

10 a.m.—Meeting of N.C.A. Administrative Council, Room 1, Conrad Hilton

12:30 p.m.—Luncheon Meeting of N.C.A. Administrative Council, Room 2, Conrad Hilton

2 p.m.—Meeting of N.C.A. Convention Committee, Room 8, Conrad Hilton

3:30 p.m.—Meeting of N.C.A. Labeling Committee, Room 3, Conrad Hilton

7 p.m.—Dinner, N.C.A. Labeling Committee, Room 4, Conrad Hilton

Friday, February 18

9:30 a.m.—Meeting of N.C.A. Board of Directors, West Ballroom, Conrad Hilton

12 m.—Meeting of C.M.&S.A. Board of Directors, Blackstone

12:30 p.m.—Luncheon, N.C.A. Board of Directors, South Ballroom, Conrad Hilton

2 p.m.—Meeting of N.C.A. Board of Directors, Waldorf Room (North Ballroom), Conrad Hilton

4 p.m.—Meeting of Forty Niners Board of Directors, Hubbard Room, Blackstone

4:45 p.m.—Annual Meeting of Forty Niners, Hubbard Room, Blackstone

6 p.m.—Dinner Meeting of N.C.A. Statistics Committee, Room 8, Conrad Hilton

7 p.m.—Meeting of N.C.A. Resolutions Committee, Room 5, Conrad Hilton

7:30 p.m.—Dinner, C.M.&S.A. Past Presidents, English Room, Conrad Hilton

Saturday, February 19

9 a.m.—Meeting of N.C.A. Nominating Committee, Astoria Room (North Assembly), Conrad Hilton

9:30 a.m. (all day)—Business Meeting of N.F.B.A.

10 a.m.—General Session of N.C.A., Williford Ballroom, Conrad Hilton

10 a.m.-5:30 p.m.—Canning Machinery and Supplies Exhibit, Exhibit Halls, Conrad Hilton

12:30 p.m.—Luncheon Meeting of N.C.A. Claims Committee, Room 8, Conrad Hilton

2 p.m.—N.C.A. Conference on Canning Procedures and Products, Waldorf Room (North Ballroom), Conrad Hilton

2 p.m.—N.C.A. Conference on Procurement of Raw Products, Upper Tower, Conrad Hilton

2 p.m.—N.C.A. Marketing Session, South Ballroom, Conrad Hilton

4 p.m.—Meeting of N.C.A. Fishery Products Committee, Room 3, Conrad Hilton

6 p.m.—Old Guard Society Cocktail Party and Buffet Supper, French Room and Crystal Ballroom, Blackstone

7 p.m.—Dinner, N.C.A. Fishery Products Committee, Room 4, Conrad Hilton

7:30 p.m.—Meeting of N.C.A. Taste Test (Raw Products) Committee, Room 3, Conrad Hilton

8 p.m.—Smoker, N.C.A. Research Laboratory, Lower Tower, Conrad Hilton

Sunday, February 20

8:30 a.m.—Breakfast Meeting of N.C.A. Legislative Committee, Room 19, Conrad Hilton

9 a.m.—Meeting of Technical Advisory Committee to N.C.A. Raw Products Committee, Room 18, Conrad Hilton

10 a.m.—Meeting of N.C.A. Consumer and Trade Relations Committee, Room 8, Conrad Hilton

10:30 a.m.—Annual Meeting of C.M.&S.A., West Ballroom, Conrad Hilton

1-5:30 p.m.—Canning Machinery and Supplies Exhibit, Exhibit Halls, Conrad Hilton

2 p.m.—N.C.A. Fishery Products Conference, Astoria Room (North Assembly), Conrad Hilton

2 p.m.—N.C.A. Conference on Agricultural Management Problems, Waldorf Room (North Ballroom) Conrad Hilton

2:30 p.m.—N.C.A. Conference on Factors Influencing the Shelf Life of Canned Foods, Upper Tower, Conrad Hilton

6 p.m.—State Secretaries Reception and Dinner, Room 1, Conrad Hilton

6:30 p.m.—Dinner, Technical Advisory Committee to N.C.A. Raw Products Committee, Room 3, Conrad Hilton

Monday, February 21

9 a.m.—Meeting of N.C.A. Procurement Committee, Room 19, Conrad Hilton

9 a.m.—N.C.A. Conference on Pesticide Tolerances, Waldorf Room (North Ballroom), Conrad Hilton

10 a.m.-5:30 p.m.—Canning Machinery and Supplies Exhibit, Exhibit Halls, Conrad Hilton

2 p.m.—Joint N.C.A.-C.M.&S.A. Technical Conference, South Ballroom, Conrad Hilton

2 p.m.—Meeting of The Tomato Council, Inc., Board of Directors, Room 8, Conrad Hilton

3:30 p.m.—Business Meeting of The Tomato Council, Inc., West Ballroom, Conrad Hilton

7 p.m.—Young Guard Society Banquet, Terrace Casino, Morrison

Tuesday, February 22

10 a.m.-5:30 p.m.—Canning Machinery and Supplies Exhibit, Exhibit Halls, Conrad Hilton

12:15 p.m.—Meeting of National Meat Canners Association, Crystal Ballroom, Blackstone

7:30 p.m.—C.M.&S.A. Dinner Dance, Ballroom, Sheraton

Wednesday, February 23

9:30 a.m.—Meeting of N.C.A. Processing Committee on Foods in Metal Containers, Room 3, Conrad Hilton

10 a.m.-5:30 p.m.—Canning Machinery and Supplies Exhibit, Exhibit Halls, Conrad Hilton

Dr. R. H. Lueck Elected

Dr. Roger H. Lueck, formerly general manager in charge of American Can Company's research and technical department, has been elected vice president in charge of the department, it is announced by William C. Stolk, president.

A graduate of Carroll College at Waukesha, Wis., Dr. Lueck received a master of science degree at the University of Wisconsin and started with American Can in 1922 as a research chemist in the firm's Maywood, Ill., laboratories. He later served as manager of the company's San Francisco laboratory and in 1934 was transferred to the Hawaiian Islands, where he became manager of the company's operations.

Dr. Lueck was appointed manager of the research laboratory at Maywood, Ill., in 1936 and seven years later became director of research. He served as manager of sales for Canco's Pacific division between 1944 and 1950, when he was named general manager of the research and technical department in New York.

He served as chairman of the can industry's technical committee for tin conservation during World War II and gave valuable service in the similar program during the Korean emergency. This brought him into direct cooperation with corresponding groups in the N.C.A., where his organizing ability and wide knowledge were quickly recognized. He is the author of many scientific papers on canning technology and corrosion of tin plate.

Trade and Radio Releases

Grocery trade papers and public service radio stations were supplied with releases during the past month as part of the continuing N.C.A. Consumer and Trade Relations program, as follows:

On December 8 a two-page release with photographs was sent to 49 food trade papers, reporting on the over-all increases of 2 to 14 percent in canned foods sales experienced by retailers in 16 cities as a result of use of special store materials during the Harvest Festival promotion which was tied in to an editorial feature in *American Weekly*. The press release describes the displays, the methods of promotion and the results.

On December 9, copy pointing up the convenience factors of canned foods during the busy Christmas shopping season was supplied to 178 broadcasters with estimated listening audience of 12 million in the alternate weekly radio script service, "Kitchen-Air."

On December 14, the opportunities in canned specialties for Christmas and New Year's dinners were featured in the release to 67 broadcasters with an estimated listening audience of 4 million in the "Scriptease" weekly radio script service.

On December 15, time-saving and health benefits of canned baby foods were stressed in a release to 179 broadcasters, listening audience of 11 million, in the "Timely Talks" weekly radio script service.

Orange Juice for USDA

Purchase of 129,565 cases of 12 No. 3 cylinder cans of concentrated orange juice at an average price of $6.98 a case, f.o.b. processors' plants, was announced by the U. S. Department of Agriculture December 21.

Purchases were made under Section 6 of the National School Lunch Act.

The juice, all from Florida processors, will be delivered during the period January 10 through February 12 to schools participating in the school lunch program.

Fish Canning Exemption

(Concluded from page 365)

decision of the U. S. District Court of Maine in *Mitchell* v. *Stinson*.

While the Court also relied to some extent on the legislative history of the 1949 Amendments to the Act, which transformed the fish canning exemption from both minimum wage and overtime into an exemption from overtime alone, the decision would nevertheless seem to be in conflict with an earlier decision of the Third Circuit in *McComb* v. *Consolidated Fisheries Company*. The apparent conflict may result in a further review of the issue by the Supreme Court.

Sugar Consumption Quota

(Concluded from page 365)

partly to make allowance for possible error in the estimate of demand for sugar but mainly to help stabilize sugar prices at levels required by the Sugar Act.

"For 1955 total consumption of sugar in the U. S. is currently indicated at 8,500,000 short tons. For the reasons just given, the sugar quotas for the year have been set at a level 300,000 tons below this figure.

"The quotas will be raised to any extent warranted by a demand for additional sugar at prices consistent with the price provisions of the Act."

Georgia Canners Association

The Georgia Canners Association elected the following officers recently at the association's annual meeting:

President—Grady Langford, Langford & Taylor, Meansville; first vice president—Albert Bloodworth, Cherokee Products Co., Haddock; second vice president—E. E. Miller, G. M. Canning Co., Wayside; secretary—Kenneth Williams, Griffin (reelected).

Minnesota Canners Association

The Minnesota Canners and Freezers Association elected the following officers recently at the association's annual convention:

President—Charles A. Brown, Olivia Canning Co., Olivia; vice president—E. P. Byron, Birds Eye Div., General Foods Corp., Waseca; secretary-treasurer—Edwin W. Elmer, Minneapolis (reelected).

New York State Canners

The New York State Canners and Freezers Association elected the following officers recently at the association's annual convention:

President—Norman L. Waggoner, Olney & Carpenter, Inc., Wolcott; vice president—Robert D. Waterman, Waterman Food Products, Inc., Ontario Center; treasurer—Barton G. Levin, East Pembroke Canning Corp., East Pembroke; secretary—William H. Sherman, Rochester (reelected).

Ohio Canners Association

The Ohio Canners Association elected the following officers recently at the association's annual convention:

President—Karl Hirzel, Hirzel Canning Co., Toledo; first vice president—Chester Swaim, C. W. Swaim Canning Co., Wilmington; second vice president—L. E. White, The Clyde Kraut Co., Clyde; secretary-treasurer—Paul Hinkle, Celina (reelected).

Utah Canners Association

The Utah Canners Association elected the following officers recently at the association's annual meeting:

President—E. R. Blackinton, Blackinton & Son Canning Co., Ogden; vice president—Angus G. Stevens, Stevens Canning Co., Ogden; secretary-treasurer—Harvey F. Cahill, Ogden (reelected).

Better Homes and Gardens

Two pages showing colorful appetizing salads arranged and ready to serve, with additional pages of recipes, make up the feature "Winter Salads, Fresh as Spring" in the January issue of *Better Homes and Gardens.*

The introduction states, "Winter salads, fresh as spring add splashes of sunshine to cold-weather meals with these salads. You can fix them in wizard time. And they look all the more exciting when pretty plates are part of the arrangement. For luscious slimdowners, take your pick of fruit—fresh, frozen, canned."

Canned foods are an ingredient in most of the salads featured. Included are pineapple, spiced crabapples, fruit juices, orange and grapefruit sections, cranberry sauce, peaches, pears, and ripe olives.

1954 Pack of Pimientos

The 1954 pack of pimientos totaled 1,488,343 actual cases compared with the 1953 pack of 2,132,660 cases, according to a report by the N.C.A. Division of Statistics.

Container size	Southeast states	Other states	U. S. Total
	(*actual cases*)		
Tin:			
48/No. 4Z	469,205	124,445	593,650
24/No. 7Z	295,552	37,021	332,573
24/No. 14Z	21,498	.....	21,498
24/No. 2	.....	1,031	1,031
24/No. 2½	110,971	22,535	133,506
6/No. 10	7,913	9,805	17,718
Misc. tin	.....	431	431
Glass:			
48/No. 2Z	131,382	.....	131,382
24/No. 4Z	226,490	.....	226,490
24/No. 7Z	30,064	.....	30,064
Misc. glass	.....	.....	.....
Total	1,293,075	195,268	1,488,343

Southeast states include Ga., Ala., and Miss. Other states include Calif., Fla., Tenn., and Texas.

Comparative Totals on 11 Crops for Processing

Crop	Harvested Acreage 1953	Harvested Acreage 1954	Production 1953	Production 1954	Price per Ton[1] 1953	Price per Ton[1] 1954
	(*acres*)		(*tons—2,000 lb.*)		(*dollars*)	
Asparagus	88,870	100,850	93,600	101,600	202.80	226.10
Beans, lima (shelled)	110,290	111,770	106,800	102,900	152.80	149.30
Beans, snap	142,940	150,900	310,700	352,300	125.50	120.80
Beets (for canning)	16,500	15,650	158,900	147,400	20.10	19.60
Cabbage (for sauerkraut)	17,830	15,980	226,400	209,600	13.40	11.90
Corn, sweet (in husk)	503,340	453,210	1,514,100	1,487,600	23.40	20.80
Cucumbers (for pickles)	148,560	140,120	330,000	305,000	64.50	60.20
Peas, green (shelled)	430,900	424,360	464,600	398,200	93.60	91.50
Pimientos[2]	26,900	31,300	34,000	22,200	99.00	89.10
Spinach	27,140	26,540	107,400	97,300	38.10	39.70
Tomatoes	297,300	266,650	3,234,900	2,729,200	27.50	34.20
Total 11 crops	1,810,570	1,737,330	6,581,400	5,953,300		

[1] Season-average price received by growers. The season falls in the calendar year. [2] Georgia and Tennessee plus acreage contracted in other states by Georgia processors.

1954 Pack of Pears

The 1954 pack of canned pears totaled 9,765,802 actual cases as compared with the 1953 pack of 7,210,004 cases, according to a report by the N.C.A. Division of Statistics.

On the basis of 24/2½, the 1954 pack amounted to 7,775,321 cases compared with 5,807,776 cases in 1953.

State	1953	1954
	(*actual cases*)	
Washington and Oregon	4,489,992	5,452,961
California	1,982,750	3,983,765
Other states	737,262	329,076
U. S. Total	7,210,004	9,765,802

Proportion of 11 Commercial Vegetables Produced for Processing in 1954

Crop	1954 U. S. Production for fresh market	1954 U. S. Production for processing	Proportion produced for processing
	(*thousands of tons*)		(*Percent*)
Asparagus	51.8	101.6	66
Lima beans	21.6	102.9	83
Snap beans	268.5	352.3	57
Beets	42.0	147.4	78
Cabbage	1,135.2	209.6	16
Sweet corn	621.4	1,487.6	70
Cucumbers	195.1	305.0	61
Green peas	21.3	398.2	95
Pimientos	*126.0	22.2	..
Spinach	92.1	97.3	51
Tomatoes	965.5	2,729.2	74

* Green peppers.

Canned Baby Food Stocks

Details of the canned baby food supply, stock and shipment situation are reported by the N.C.A. Division of Statistics as follows:

	1953	1954
	(*thousands of dozens*)	
Canner stocks, Jan. 1	55,300	65,305
Pack, Jan.-Nov.	142,596	146,062
Supply	197,896	211,367
Canner stocks, Dec. 1	62,206	70,401
Canner shipments during Nov.	10,936	11,848
Canner shipments, Jan.-Nov.	135,690	140,966

Production of Truck Crops for Commercial Processing[1] by States, with Comparisons

State	1953 (*tons*)	1954 (*tons*)	Percent change from 1953
Maine	52,300	23,300	−56
New York	497,300	392,900	−21
New Jersey	366,300	261,500	−29
Pennsylvania	272,200	210,600	−23
Ohio	289,300	221,600	−23
Indiana	390,900	299,500	−23
Illinois	372,000	372,400	....
Michigan	199,300	168,400	−16
Wisconsin	683,400	617,800	−10
Minnesota	309,800	404,700	+31
Iowa	87,700	92,100	+ 5
Delaware	69,700	70,900	+ 2
Maryland	273,500	226,200	−17
Virginia	74,400	76,900	+ 3
Florida	72,000	68,600	− 5
Texas	43,100	61,700	+43
Idaho	67,900	69,800	+ 3
Colorado	50,400	50,300	−15
Utah	142,800	94,800	−33
Washington	217,000	192,600	−11
Oregon	220,200	215,700	− 2
California	1,626,800	1,590,800	− 2
Other states	194,400	170,200	−12
U. S. Total	6,581,400	5,953,300	−10

[1] The crops are asparagus, lima beans, snap beans, beets, cabbage for sauerkraut, sweet corn, cucumbers for pickles, green peas, pimientos, spinach, and tomatoes.

Stocks of Canned Foods on Dec. 1 and Season Shipments

Reports on canners' stocks and shipments of canned RSP cherries, corn, and peas have been issued by the N.C.A. Division of Statistics, and detailed reports covering December 1 stocks have been mailed to all canners packing these items.

	Carry-over month	Total Supply 1953	Total Supply 1954	Stocks, Dec. 1, 1953	Stocks, Dec. 1, 1954	Season Shipments to Dec. 1, 1953	Season Shipments to Dec. 1, 1954
		(*thousands of actual cases*)					
RSP Cherries	July	3,962	3,253	2,005	*1,781	1,956	*1,472
RSP Cherries	July	3,962	3,253	1,776	1,601	2,186	1,652
Corn	Aug.	38,562	41,906	26,726	29,118	11,836	12,788
Peas	June	34,786	31,488	19,192	15,965	15,594	15,523

* Corrected figures for November 1.

Year-end Crop Report

(Continued from page 365)

records—soybeans, rice, sugar beets, and oranges. But outturns of oats, barley, sorghum grain, sorghum silage, alfalfa seed, cranberries, and commercial vegetables for fresh market were near-record.

Larger-than-average crops were harvested for dry beans, olives, lemons, and commercial vegetables for processing.

Production of the major deciduous fruits totaled 8.3 million tons, about the same as in 1953 but 8 percent below average. Crops of peaches, grapes, plums, apricots, sour cherries, and cranberries were smaller than last season, but larger-than-average crops were obtained for pears, prunes, figs, sweet cherries, olives, and avocados.

The current orange crop is forecast as a record high.

Vegetables for Processing

The 1954 production of the 11 vegetables for commercial processing, exclusive of dehydration, was 5.95 million tons, 10 percent less than the 6.58 million tons produced in 1953 but about 4 percent more than the 1943-52 average of 5.74 million tons, according to the USDA Crop Reporting Board.

The 1954 production of green peas for canning and freezing is the lowest since the 1949 crop. The tonnage of spinach and tomatoes for processing is the lowest since 1950. A record large crop of snap beans for processing is estimated for 1954.

The 1954 harvested acreage of the 11 processing vegetables totaled 1.74 million acres. This compares with 1.81 million acres harvested last year, and an average of 1.84 million acres for the years 1943-52. The acreage of tomatoes harvested for processing this year is the lowest since 1926. The 1954 harvested acreages of beets for canning, cabbage for sauerkraut, sweet corn, green peas and spinach for processing are each below average.

On the other hand, the acreage of asparagus harvested for processing in 1954 was the largest on record. This year's large acreage of snap beans was exceeded in 1943 and also in 1944. The 1954 harvested acreage of lima beans was exceeded in 1949.

The 1954 value of these crops, based on season-average prices, is $244 million. Last year's value is estimated at $277 million and the 10-year average is $225 million. The decline from 1953 in total value of vegetables for processing is due largely to the smaller production harvested in 1954. These value estimates should not be confused with estimates of cash receipts or calendar year income from such crops, according to the USDA.

Wisconsin leads in acreage of processing vegetables, but California leads in production and value.

Deciduous Fruits

Apples—The 1954 commercial apple crop is estimated at 103,773,000 bushels, 11 percent larger than the 1953 crop but 2 percent below the 1943-52 average. Most of the increase over 1953 is in eastern states where production totaled 49,802,000 bushels, 27

(Please turn to page 371)

Asparagus for Commercial Processing

State	Harvested Acreage 1953	Harvested Acreage 1954	Production [1] 1953	Production [1] 1954	Price per Ton [1] 1953	Price per Ton [1] 1954
	(acres)		(tons)		(dollars)	
New Jersey	18,600	22,200	20,460	21,090	239.00	239.00
Illinois	7,200	7,300	6,480	6,200	198.00	206.00
Michigan	7,300	7,900	4,750	5,920	278.00	310.00
Iowa	540	600	540	450	172.00	182.00
Delaware	1,300	1,500	910	1,200	242.00	246.00
Maryland	1,700	1,700	940	1,440	232.00	235.00
Washington	8,300	8,000	11,620	11,600	199.00	203.00
Oregon	230	230	330	360	189.00	191.00
California	41,700	49,300	45,870	51,760	177.00	217.00
Other states [2]	2,000	2,120	1,660	1,610	277.00	281.00
Total all states	88,870	100,850	93,560	101,630	202.80	226.10

[1] Yield, production and price are on an "as sold" or "pay weight" basis for all states. [2] Ark., Idaho, Ind., Minn., Mo., N. Y., Ohio, Pa., S. C., and Wis.

Green Lima Beans for Commercial Processing

State	Harvested Acreage 1953	Harvested Acreage 1954	Production 1953	Production 1954	Price per Ton [1] 1953	Price per Ton [1] 1954
	(acres)		(tons-shelled)		(dollars)	
New York	4,500	4,200	3,600	3,230	160.20	150.50
Pennsylvania	5,200	4,700	3,250	2,560	145.40	140.00
Ohio	600	800	290	340	101.00	113.80
Michigan	2,450	2,060	1,510	1,440	117.20	106.40
Wisconsin	8,100	7,600	6,600	8,060	136.50	132.60
Delaware	21,500	23,800	16,340	16,660	158.70	152.40
Maryland	5,000	5,800	3,000	3,710	134.00	149.10
Virginia	4,700	4,300	3,000	2,360	160.00	156.00
Washington	630	1,400	860	1,130	130.20	164.90
California	27,600	27,400	40,300	38,630	154.00	150.80
Other states [2]	30,010	29,710	27,980	24,800	155.80	152.90
Total all states	110,290	111,770	106,790	102,920	152.80	149.30
For canning and other processing [3]	43,510	42,640	32,720	34,240	146.90	138.50
For freezing [3]	66,780	69,130	74,070	68,680	155.42	154.70

[1] Season-average price received by growers. The season falls in the calendar year. [2] Ark., Colo., Idaho, Ill., Ind., Iowa, Kans., Minn., Mo., N. J., Okla., Ore., Tenn., and Utah. [3] Not shown by states to avoid disclosure of individual operations.

Snap Beans for Commercial Processing

State	Harvested Acreage 1953	Harvested Acreage 1954	Production 1953	Production 1954	Price per Ton [1] 1953	Price per Ton [1] 1954
	(acres)		(tons)		(dollars)	
Maine	2,750	2,300	6,900	5,500	103.90	102.00
New York	32,800	37,600	59,000	67,700	128.30	123.00
Pennsylvania	7,000	6,000	12,600	12,600	134.50	128.60
Michigan	7,000	7,900	12,600	15,000	115.00	111.90
Wisconsin	13,700	16,000	23,300	25,600	114.20	113.80
Missouri	.....	100	.....	100	.....	119.30
Delaware	2,000	1,700	3,000	2,000	100.00	97.20
Maryland	12,700	13,000	21,600	22,100	112.90	108.60
Virginia	4,500	3,800	9,000	5,300	125.00	108.50
North Carolina	3,000	3,000	6,000	5,400	150.20	104.30
South Carolina	500	500	400	600	165.00	85.00
Georgia	200	200	200	200	160.00	160.00
Florida [2]	18,700	14,600	32,290	25,530	135.90	113.40
Tennessee	6,300	7,600	12,000	12,200	151.80	122.10
Mississippi	1,800	1,100	1,100	1,400	115.00	83.10
Arkansas	1,500	1,500	1,000	1,500	132.00	119.30
Louisiana	960	1,300	600	1,200	97.00	82.00
Oklahoma	900	1,200	700	1,100	122.00	118.40
Texas	6,500	7,000	9,100	10,500	85.00	90.00
Colorado	1,500	1,500	5,400	6,300	96.10	92.30
Utah	600	600	2,500	2,800	97.90	111.50
Washington	1,900	3,000	8,000	12,000	120.30	137.00
Oregon	7,650	9,500	55,100	77,000	131.10	132.80
California	2,200	3,200	14,100	23,700	130.90	128.90
Other states [3]	6,280	6,700	14,200	15,000	129.90	131.00
Total all states	142,940	150,900	310,690	352,330	125.50	120.80

[1] Season-average price received by growers. The season falls in the calendar year. [2] Sum of estimates by seasonal groups. [3] Ala., Idaho, Ill., Ind., Iowa, Ky., Minn., Mont., Nebr., N. H., N. J., N. M., Ohio, Vt., and Wyo.

Pimientos for Commercial Processing

State	Harvested Acreage 1953	Harvested Acreage 1954	Production 1953	Production 1954	Price per Ton [1] 1953	Price per Ton [1] 1954
	(acres)		(tons)		(dollars)	
Georgia	20,000	19,500	22,400	13,650	100.00	90.00
Other states [2]	6,900	11,800	11,610	8,500	97.10	87.80

[1] Season-average price received by growers. The season falls in the calendar year. [2] Covers acreage contracted by Georgia processors in Ala., Fla., N. C. S. C., and Tenn.

Cabbage for Commercial Crop of Sauerkraut

State	Harvested Acreage 1953	Harvested Acreage 1954	Production 1953	Production 1954	Price per Ton [1] 1953	Price per Ton [1] 1954
	(acres)		(tons)		(dollars)	
New York	5,500	4,900	90,800	77,900	12.20	10.50
Ohio	1,800	1,400	21,800	19,600	15.00	12.10
Indiana	1,300	1,600	8,600	8,500	15.70	15.10
Illinois	100	100	1,200	800	19.90	10.80
Michigan	310	220	3,500	3,300	14.80	13.30
Wisconsin	5,500	4,000	67,100	55,600	12.50	10.50
Minnesota	100	.....	800	.....	14.50	.....
Colorado	100	150	1,900	3,000	15.20	15.20
Washington	250	240	4,000	6,200	17.50	16.00
Other states [2]	2,870	3,370	26,400	34,700	16.60	15.00
Total all states	17,830	15,980	226,400	209,600	13.40	11.90

[1] Season-average price received by growers. The season falls in the calendar year. [2] Fla., Iowa., Mo., N. J., N. C., Ore., Pa., Tenn., Texas, Utah, and Va.

Sweet Corn for Commercial Processing

State	Harvested Acreage 1953	Harvested Acreage 1954	Production [1] 1953	Production [1] 1954	Price per Ton [2] 1953	Price per Ton [2] 1954
	(acres)		(tons)		(dollars)	
Maine	9,700	3,900	35,900	10,100	30.20	21.70
New Hampshire	490	400	2,400	1,600	30.60	23.60
Vermont	810	500	2,500	1,600	25.10	19.70
New York	24,900	21,000	79,700	63,000	24.60	22.10
Pennsylvania	11,600	12,000	24,400	33,600	25.50	25.20
Ohio	12,200	8,300	32,900	27,400	20.80	17.90
Indiana	31,000	24,300	62,000	48,600	21.90	19.20
Illinois	67,300	62,800	215,400	219,800	24.30	22.50
Wisconsin	113,200	100,400	328,300	311,200	20.80	19.20
Minnesota	92,400	93,800	249,500	347,100	20.50	18.70
Iowa	26,800	24,700	72,400	76,600	21.10	20.70
Delaware	4,200	7,100	12,600	12,800	22.70	25.10
Maryland	37,400	33,800	86,000	74,000	23.60	21.20
Virginia	1,300	1,200	2,600	2,400	28.10	30.00
Idaho	11,900	10,900	54,700	54,500	26.40	23.20
Utah	6,000	6,300	27,000	30,200	25.00	22.20
Washington	19,600	16,200	100,000	81,000	25.90	23.40
Oregon	17,800	14,200	81,900	63,900	32.50	24.10
Other states [3]	14,740	11,410	43,900	28,200	26.00	21.10
Total all states	503,340	453,210	1,514,100	1,457,600	23.40	20.80
For canning and other processing [4]	432,270	391,540	1,268,530	1,276,000	22.90	20.60
For freezing [4]	71,070	61,670	245,570	211,600	26.10	21.80

[1] Tonnage in husk. [2] Season-average price received by growers. The season falls in the calendar year. [3] Ark., Calif., Colo., Mich., Mont., Nebr., N. J., Okla., S. Dak., Tenn., Texas, and Wyo. [4] Not shown by states to avoid disclosure of individual operations.

Green Peas for Commercial Processing

State	Harvested Acreage 1953	Harvested Acreage 1954	Production 1953	Production 1954	Price per Ton [1] 1953	Price per Ton [1] 1954
	(acres)		(tons—shelled)		(dollars)	
Maine	7,600	8,900	7,450	6,700	106.60	93.40
New York	22,700	17,600	20,200	14,900	114.60	106.00
Pennsylvania	13,800	12,200	16,560	13,120	108.30	111.70
Ohio	2,000	1,400	1,520	980	91.90	102.50
Indiana	1,960	1,700	1,840	1,580	91.60	90.70
Illinois	28,400	28,300	27,970	27,170	114.90	103.40
Michigan	5,540	4,900	3,790	3,380	86.80	121.30
Wisconsin	132,300	123,100	136,270	115,100	88.00	87.90
Minnesota	57,000	58,700	49,590	48,720	100.80	100.40
Iowa	3,400	3,200	2,640	2,610	114.10	109.50
Delaware	2,100	2,700	2,620	4,000	107.70	107.40
Maryland	9,100	9,500	9,740	10,160	95.80	94.70
Virginia	2,500	2,500	2,250	2,100	95.00	110.00
Idaho	8,300	11,900	9,670	11,720	88.30	82.40
Colorado	3,600	700	2,660	400	86.20	86.90
Utah	8,100	5,600	11,620	5,660	91.20	85.30
Washington	58,900	62,200	81,580	70,910	86.20	81.50
Oregon	46,400	56,400	54,980	43,150	91.00	85.10
California	10,000	7,300	12,700	9,380	76.90	68.50
Other states [2]	7,200	5,560	8,900	6,240	97.20	126.40
Total all states	430,900	424,360	464,550	398,220	93.60	91.50
For canning and other processing [3]	319,800	307,220	335,350	282,640	92.98	92.20
For freezing [4]	111,100	117,140	129,200	115,580	95.31	89.80

[1] Season-average price received by growers. The season falls in the calendar year. [2] Ark., Ga., Kans., Mo., Mont., Nebr., N. J., Okla., Tenn., W. Va., and Wyo. [3] Not shown by states to avoid disclosure of individual operations.

Beets for Commercial Canning

State	Harvested Acreage 1953	Harvested Acreage 1954	Production 1953	Production 1954	Price per Ton [1] 1953	Price per Ton [1] 1954
	(acres)		(tons)		(dollars)	
New York	4,400	4,500	50,200	54,000	19.40	18.80
Michigan	800	680	7,800	7,800	17.50	16.70
Wisconsin	7,300	6,300	64,200	49,100	17.60	19.20
Oregon	1,200	1,300	16,800	18,500	28.90	19.90
Other states [2]	2,800	2,870	19,900	18,000	23.20	23.80
Total all states	16,500	15,650	158,900	147,400	20.10	19.60

[1] Season-average price received by growers. The season falls in the calendar year. [2] Calif., Colo., Ill., Ind., La., Maine, Md., Minn., N. J., Ohio, Pa., Tenn., Texas, Utah, and Wash.

Spinach for Commercial Processing

State and Seasonal Group	Harvested Acreage 1953	Harvested Acreage 1954	Production 1953	Production 1954	Price per Ton [1] 1953	Price per Ton [1] 1954
	(acres)		(tons)		(dollars)	
Texas						
Winter	4,500	4,500	6,800	5,800	45.00	52.00
California	8,200	7,400	54,300	50,400	25.70	23.70
Early Spring	7,000	6,200	48,300	42,800	25.50	23.20
Fall	1,200	1,200	6,000	7,600	27.20	26.60
Virginia	1,100	1,200	3,300	3,200	74.50	73.10
Late Spring	800	800	2,400	2,000	75.00	72.00
Fall	300	400	900	1,200	73.00	75.00
Maryland	1,450	2,000	3,600	4,700	60.30	65.10
Late Spring	1,000	1,100	2,500	2,500	65.60	52.20
Fall	450	900	1,100	2,200	48.50	80.00
New York						
Late Spring	1,400	1,100	12,200	6,800	34.20	32.10
Arkansas	3,900	3,200	6,640	6,400	51.80	72.30
Late Spring	3,600	2,700	6,100	5,400	51.60	70.00
Fall	300	500	540	1,000	53.80	85.00
Oklahoma	4,600	4,600	9,110	8,500	47.20	71.50
Late Spring	4,500	3,600	9,000	7,200	47.00	70.00
Fall	100	1,000	110	1,300	60.00	80.00
Washington	540	490	4,200	3,380	32.60	27.80
Late Spring	210	130	1,400	680	40.00	31.00
Fall	330	360	2,800	2,700	29.00	27.00
Other states						
Fall	1,450	2,050	7,300	8,100	82.10	54.70
Total 9 states	27,140	26,540	107,450	97,280	38.10	39.70
Winter and Spring	23,010	20,130	88,700	73,180	34.90	36.80
Fall	4,130	6,410	18,750	24,100	53.20	48.70

[1] Season-average price received by growers.

Tomatoes for Commercial Processing

State	Harvested Acreage 1953	Harvested Acreage 1954	Production 1953	Production 1954	Price per Ton [1] 1953	Price per Ton [1] 1954
	(acres)		(tons)		(dollars)	
New York	16,600	11,600	176,000	99,800	30.90	29.20
New Jersey	27,700	24,700	299,200	197,000	33.30	32.00
Pennsylvania	24,800	21,500	208,300	139,800	30.90	29.90
Ohio	19,200	13,600	222,700	163,200	30.80	26.60
Indiana	33,800	29,600	304,200	230,900	28.60	25.60
Illinois	11,000	10,000	113,300	111,000	32.40	30.60
Michigan	7,000	5,300	76,300	48,800	30.40	25.10
Wisconsin	900	1,000	10,400	6,000	31.00	30.00
Iowa	1,600	1,400	10,900	10,200	30.40	28.60
Missouri	1,700	200	2,600	400	27.30	25.00
Delaware	4,100	3,600	32,400	32,400	34.80	31.80
Maryland	19,900	13,600	137,300	97,900	40.00	34.50
Virginia	13,400	13,700	42,900	52,100	26.70	27.80
South Carolina	800	800	1,600	1,600	33.00	27.00
Florida [2]	7,500	7,200	33,310	34,950	24.10	22.60
Kentucky	1,200	1,100	5,600	3,500	29.90	26.00
Tennessee	500	400	900	800	30.00	26.00
Arkansas	2,000	1,000	4,000	1,500	28.50	25.00
Oklahoma	.....	100	.....	200	.....	25.00
Texas	8,000	15,800	8,000	30,000	17.00	16.00
Colorado	3,000	2,800	27,300	25,500	26.00	23.90
Utah	6,900	5,500	96,600	51,700	24.10	20.70
California	83,000	80,000	1,411,000	1,384,000	22.90	20.20
Other states [3]	2,700	2,150	10,100	5,400	34.40	32.60
Total all states	297,300	266,650	3,234,910	2,729,250	27.50	24.20

[1] Season-average price received by growers. The season falls in the calendar year. [2] Sum of estimates by seasonal groups. [3] Ala., Ariz., Conn., Ga., Idaho, Kans., La., Minn., Miss., Nebr., N. M., N. C., Ore., Wash., and W. Va.

Year-end Crop Report

(Concluded from page 369)

percent more than last year and 13 percent above average.

In the central states, production totaled 16,276,000 bushels, 8 percent below last year and 11 percent below average. The western states total of 37,695,000 bushels is 4 percent above last year but 13 percent below average.

Production of Delicious, the leading variety, totaled 22,344,000 bushels, 5 percent more than last year and 3 percent above average.

Of the major varieties for processing, York Imperials showed the largest change from 1953, up 121 percent. Production of Gravensteins was up 35 percent, Staymans up 21 percent, and Yellow Newtowns up 36 percent, while Rhode Island Greening production was down 15 percent.

The big increase in production of York apples was almost entirely in the Appalachian area, principally Virginia and West Virginia.

Peaches—Production in 1954 totaled 60,794,000 bushels, 6 percent less than in 1953 and 9 percent less than average. California clingstone peaches are estimated at 19,210,000 bushels, 15 percent below last year and 7 percent below average. U. S. production other than California clingstones totaled 41,584,000 bushels, slightly less than in 1953 and about 9 percent below average. California freestone production at 12,084,000 bushels was 14 percent larger than in 1953 and the largest crop since 1946.

Pears—The 1954 pear crop is estimated at 30,077,000 bushels, about 3 percent larger than the 1953 crop but slightly below average. The Bartlett pear crop in the three Pacific Coast states totaled 20,193,000 bushels, 17 percent larger than the 1953 crop and 6 percent above average. Production of other pears in these states totaled 5,898,000 bushels, down 18 percent from last year's large crop and 10 percent below average.

Grapes—The 1954 grape crop is estimated at 2,607,300 tons, 3 percent less than last year and 12 percent below average. The crop exceeded earlier expectations in each of the four states—New York, Pennsylvania, Ohio, and Michigan. Most of the grapes in these states are Concords crushed for juice. The Arkansas grape crop was reduced by a freeze in early May and extended drought later in the season. Production was 80 percent larger than the short 1953 crop but 43 percent below average. The Washington crop was 30 percent below the record 1953 crop but 52 percent above average.

Plums and Prunes—Production of plums in California is estimated at 72,000 tons, 16 percent below last year's large crop and 10 percent below average. About 4,000 tons of harvested plums were culled out of the 1954 crop compared with 7,000 tons culled out in 1953. The Michigan plum crop is estimated at 6,000 tons, compared with 6,400 tons in 1953 and the average of 5,310 tons.

California production of dried prunes is estimated at 184,000 tons (dry basis), 26 percent above last year and the largest crop since 1947. Production of prunes in Idaho, Washington and Oregon totaled 68,000 tons (fresh basis), 24 percent less than last year and 39 percent below average.

Estimated utilization of the total crop in these three states with 1953 comparisons is as follows: Fresh sales 25,200 tons, down 45 percent; canned 25,430 tons, up 17 percent; dried 9,900 tons (3,200 tons dry basis), up 15 percent; farm household use 4,670 tons, up 6 percent.

Sweet Cherries—The 1954 crop of sweet cherries is estimated at 93,140 tons, slightly larger than last year and the 10-year average. Production fell below last year in each of the Pacific Coast states, totaling 67,900 tons, 8 percent below 1953.

The Idaho crop of 2,900 tons was near average and more than double the short 1953 crop. Montana production continued an upward trend with a record-large 1954 crop of 2,600 tons. Production in the Great Lakes states—New York, Pennsylvania, Ohio and Michigan—totaled 14,690 tons, 12 percent above last year and 51 percent above average. The New York crop of 5,200 tons has been exceeded only by the record crop of 6,000 tons in 1951.

Sour Cherries—Production of sour cherries is estimated at 104,020 tons, 21 percent less than the 1953 crop and 4 percent below the 10-year average. With short crops in Michigan and Wisconsin, production in the Great Lakes states totaled 92,960 tons, 25 percent less than last year and 3 percent below average. Conditions were more favorable in New York and Pennsylvania, with increases of 12 and 52 percent, respectively, over the 1953 production.

Production of sour cherries in the West totaled 11,060 tons, an increase of 39 percent over the short 1953 crop but 9 percent below average. Production was larger than last year in all of the Western states except Oregon, which was 6 percent below last year.

Cranberries—The 1954 cranberry crop is estimated at 1,012,000 barrels, 16 percent less than the record 1953 crop of 1,203,300 barrels but 29 percent above the 1943-52 average. Production was below last year but above average in each of the five states.

Apricots—Production of apricots in California, Utah and Washington totaled 144,900 tons, 40 percent less than in 1953 and the shortest crop since 1943. California production was 130,000 tons in 1954 and 230,000 tons in 1953. The set of fruit was light in the important Santa Clara Valley area. Quantities of California apricots sold fresh, dried and used for other processing are all considerably below last year with the heaviest reduction in the tonnage dried. Utah production was nearly up to average after a very short crop in 1953.

Crop	Unit	Average 1943-52	1953	1954
			(Thousands)	
Apples	bu.	105,802	93,307	103,773
Peaches	bu.	66,596	64,473	60,794
Pears	bu.	30,466	29,081	30,077
Cherries, sour	ton	108	132	104
Cherries, sweet	ton	92	92	93
Apricots	ton	221	243	145
Plums	ton	85	92	78
Prunes (not dried)	ton	95	81	58
Olives (Calif.)	ton	47	28	52
Oranges	box	113,874	130,930	141,475
Grapefruit	box	50,034	48,370	46,120
Lemons (Calif.)	box	12,493	16,130	14,600
Cranberries	bbl.	787	1,203	1,012

Citrus Fruits

Early and midseason oranges for the 1954-55 season were forecast as of December 1 at 71 million boxes, 2 million boxes less than the November estimate but 7 percent above last season and 36 percent above average. Valencia oranges are forecast at 65 million boxes, 9 percent above last season and 14 percent above average. The total grapefruit crop is indicated at 46 million boxes, 5 percent below the 1953-54 crop and 8 percent below average. California lemons are forecast at 14.6 million boxes, 9 percent below last season but 17 percent above average.

Prospects for the Florida orange crop declined about 5 percent during November. Valencias dropped more than early oranges. Early and midseason oranges as of December 1 were indicated a little above last season while Valencias are a little below. Grapefruit prospects in Florida were unchanged from a month earlier and the indicated crop is 13 percent below 1953-54 production.

Growing conditions in Texas continued favorable during November.

Trees are in exceptionally fine condition. Quality of fruit is excellent and sizes are satisfactory. Arizona citrus prospects continue favorable. Trees are in good condition and fruit has sized well. California weather has been generally satisfactory for the development of citrus crops. Prospects are well above last season for both navel and Valencia oranges but lower for lemons. Grapefruit are indicated about the same as last season.

Other Crops

Potatoes—The 1954 total potato production is estimated at 355,099,000 bushels, 7 percent below the 1953 revised production of 380,075,000 bushels and 13 percent below average. The acreage harvested in 1954 was 1,404,700 acres, 8 percent less than the revised estimate of 1,524,600 acres for 1953 and 34 percent below the average of 2,138,300 acres. Yields this year averaged 253 bushels per acre, 4 bushels above 1953 and 51 bushels above average.

Sweet Potatoes—The 1954 sweet potato crop totaled 29,880,000 bushels, 13 percent below the 1953 production of 34,276,000 bushels and 41 percent below average. The 1954 crop was the third smallest crop since 1881, being only slightly larger than the 28,532,000 bushels harvested in 1952 and the 1951 crop of 28,796,000 bushels. The acreage of sweet potatoes harvested in 1954 was 345,500 acres, 2 percent less than the 1953 acreage and 37 percent below average. Yields this year averaged 86.5 bushels per acre, compared with 97.7 in 1953 and the average of 92.9 bushels.

The 1954 season varied considerably by areas. Louisiana has 30 percent of the production this year. The yield per acre for that state was about average. In New Jersey, Delaware, and the Eastern Shore of Maryland and Virginia, the favorable weather after mid-August resulted in good yields. The New Jersey yield was the highest of record. The quality of the 1954 crop was generally good.

Dry Beans—Dry bean production in 1954 is estimated at 17 million bags (100 pounds, clean basis). This compares with 16.8 million bags in 1953 and the 10-year average of 16.2 million bags.

Crop	Unit	Average 1943–52	1953	1954
		(Thousands)		
Beans, dry edible	bag	17,600	18,171	18,899
Peas, dry edible	bag	5,519	3,350	3,484
Soybeans	bu.	230,649	268,528	342,795
Potatoes	bu.	409,027	380,075	355,099
Sweet potatoes	bu.	50,637	34,276	29,880
Durum wheat	bu.	35,486	12,967	5,557
Rice	bag	37,022	52,607	58,853

Production of pinto beans is estimated at 4,567,000 bags (clean beans), about 6 percent less than in 1953. Pea beans were second with 3,131,000 bags, a drop of nearly one-half million bags from 1953. Great Northerns are in third position with about 2 million bags, a gain of about 200,000 bags from last year. Red kidney production, at 1,219,000 bags, is down slightly from last year. Production of large and baby limas is estimated at 1,259,000 bags and 758,000 bags, respectively, both higher than 1953.

The Northeast area had a relatively poor season, especially in Michigan, which had one of the most difficult seasons of record. Despite a sharp increase in planted acreage, production (clean basis) there was down one-half million bags from last year. Abandonment of acreage was heavy and clean-out also was far above average. In the Northwest area, yields were generally down from last year. Only Washington showed an increase in yield over 1953. In that state a considerable part of the acreage was planted on new irrigated land. This plus a favorable season resulted in a state yield of 2,170 pounds per acre.

The Southwest (pinto) states were again severely affected by drought; however, because of increased acreage, production in the area is only a tenth below 1953. California had a favorable season. The state yield of 1,534 pounds was slightly below last year mainly because a larger proportion of the acreage was planted to lower yielding varieties. Large and baby lima yields were slightly above last year, but "other beans" were slightly lower.

Dry Peas—The 1954 dry pea production (excluding Austrian peas) is estimated at 3,077,000 bags (100 pounds, cleaned basis). This is approximately 3 percent more than the 1953 crop of 2,974,000 bags, but smaller than average. Production of Alaskas and other smooth green peas is estimated at 1,482,000 bags, slightly more than 2 percent above the 1953 crop. The outturn of Canadas and other smooth whites and yellows, at 587,000 bags, is 16 percent less than last year's crop. Production of all other kinds, principally wrinkled peas for seed, is up one-fifth.

Social Security Taxes

Beginning January 1, the amount of an employee's earnings subject to social security taxes will rise from $3,600 to $4,200 (see INFORMATION LETTER of September 18, page 296).

Also, domestic agricultural workers will be covered under the social security program (see INFORMATION LETTER of November 27, page 346).

TABLE OF CONTENTS

PAGE

Consumer and Trade Relations

Report on Harvest Festival 365
Trade and radio releases 367

Convention

Schedule of principal events of the 1955 Convention 366

Labor

Federal court limits fish canning exemption 365

Personnel

Dr. R. H. Lueck elected 367
Georgia Canners Association 367
Minnesota Canners and Freezers Association 367
New York State Canners and Freezers Association 367
Ohio Canners Association 367
Utah Canners Association 367

Procurement

Orange juice for USDA 367

PAGE

Publicity

Better Homes and Gardens 368

Social Security

Social security taxes 372

Standards

Monosodium glutamate in canned vegetables 365

Statistics

Production of all crops in 1954 is fifth largest of record; aggregate of vegetables for processing above average 365
1954 pack of pimientos 368
1954 pack of pears 368
Stocks of canned foods on Dec. 1 and season shipments 368
Canned baby food stocks 368

Supplies

Sugar consumption quota 365

1954 ANNUAL INDEX

N. C. A. INFORMATION LETTER

(Nos. 1470-1519—January 9, 1954, through December 29, 1954)

NOTE: Supplements are indicated by "Supp." and the date of issuance.

A

Page

ADDRESSES, REPORTS AND PROCEEDINGS
Address by Oveta Culp Hobby ... 28
Boiler operation to control water carryover, by F. L. Blumenshine ... 65
Boiler water treatment methods to avoid carryover, by Charles J. Schafer ... 63
Business and economic outlook for 1954, by Edwin B. George ... 40
Canner views the Washington scene, by H. Thomas Austern ... 20
Cannery steam requirements, by J. H. Bock and Lawrence Newsome ... 66
Coming second revolution in food marketing, by E. B. Weiss ... 47
Container sterilization for acid products by hot fill-hold-cool procedures, by C. P. Collier and C. T. Townsend ... 82
Continuing consumer relations and marketing program, by George Anderson ... 18
Drosophila problem in the canning of tomatoes in Maryland, 1953, by W. E. Bickley and L. P. Ditman ... 94
Effect on containers of boiler water carryover, by A. E. Mudra and Randall Royce ... 60
Effective merchandising of canned foods—from the point of view of the canner, by J. B. Weix ... 54
Effective merchandising of canned foods—from the point of view of the retailer, by Seth T. Shaw ... 51
Enzyme regeneration in high temperature-short time sterilized canned foods, by R. B. Guyer and J. W. Holmquist ... 80
Fill control of granular products, by C. B. Way ... 73
Fillers for granular products, by H. L. Link and H. Dobson ... 71
Filling liquid products, by E. McKinley ... 69
Filling liquid products, by Ian MacPhail ... 70
Filling semi-solid products, by H. Ivor Edwards ... 76
Filling semi-solid products, by W. A. Brittin ... 77
Fluctuating fishery stocks: what we know about this worldwide riddle, by Roger Revelle ... 102
Fluctuating fishery stocks: what we know about this worldwide riddle, by L. A. Walford ... 99
Future of mandatory food standards, by H. Thomas Austern ... 92
Greetings to the convention delegates, by Louis Ratzesberger, Jr. ... 25
How the N.C.A. laboratories serve the canning industry, by E. J. Cameron and J. R. Esty ... 57
Marketing—the job ahead, by John H. Davis ... 33
1954 canned food procurement plans and requirements for the armed forces, by Brig. Gen. N. E. Waldron ... 44
Nutrition and your health, by Frederick J. Stare ... 26
Presentation of gift to President Ratzesberger, by Fred C. Heins ... 25
Recent experiments in radiation sterilization of foods, by G. B. Pratt and O. F. Ecklund ... 78
Report of the special committee to investigate ways and means of promoting increased public acceptance of canned foods, by William A. Free, Sr. ... 16
Service research and the fishing industry, by John L. Farley ... 105
Status of pesticide legislation, by J. Harry Covington ... 90
Tomato grade relationship studies: New York, Ohio, Indiana, by Norman C. Healy ... 97
What the American housewife thinks of canned foods, by Raymond A. Robinson ... 30
Your customer today, by Charles Pearson ... 37

AGRICULTURAL POLICY
Cash farm receipts from supported and non-supported crops ... 228
National Agricultural Advisory Commission ... 153, 311
Problems of small farm operators ... 153
See also FARM PROGRAM.

AGRICULTURE, U. S. DEPARTMENT OF
Activities of personnel, policy on ... 350
Civil defense delegation ... 298
Staff organization ... 5, 116, 255, 309, 322, 329
See also FOREIGN TRADE, INSPECTION, PROCUREMENT, STANDARDS.

ANDERSON, GEORGE. *See* DUDLEY, ANDERSON & YUTZY.

ARMY, DEPARTMENT OF THE. *See* PROCUREMENT.

ASSOCIATION OF CANNERS STATE AND REGIONAL SECRETARIES, officers ... 107

ASSOCIATION OF FOOD INDUSTRY SANITARIANS, meeting ... 338

ASSOCIATION OF PACIFIC FISHERIES, officers ... 330

AUSTERN, H. THOMAS, Chief Counsel, N.C.A. ... 20, 92, 137, 157, Supp. April 10, 190

B

BENSON, EZRA TAFT, Secretary of Agriculture ... 169, 207, 231, 311, 357

BOHRER, C. WALLACE, Washington Research Laboratory, N.C.A. ... 171

BUDD, NELSON H., Director, Information Division, N.C.A. ... 142, 187, 225, 321, 333, 339

BUTZ, EARL L., Assistant Secretary, USDA ... 255

C

CALIFORNIA OLIVE ASSOCIATION, officers ... 280

CALIFORNIA PROCESSORS AND GROWERS, officers ... 9

CALLAHAN, DON. *See* DUDLEY, ANDERSON & YUTZY.

CAMERON, DR. E. J., Director, Washington Research Laboratory, N.C.A. ... 57, 169, 237, 279

CAMPBELL, CARLOS, Executive Secretary-Treasurer, N.C.A. ... 13, 108, 127, 175, 299, 345, 349, 357

CANADIAN FOOD PROCESSORS ASSOCIATION, officers ... 131

CANNERS LEAGUE OF CALIFORNIA, officers ... 145

CANNING MACHINERY AND SUPPLIES ASSOCIATION
Address change ... 182
Officers ... 107

CAROTHERS, HAMILTON, Office of Counsel, N.C.A. ... 15

CARRY, CHARLES R., Director, Fishery Products Division, N.C.A. ... 264, 292, 355

CIVIL DEFENSE
Canned foods in civil defense ... 298, 309
Planning for A-bomb attack—publication ... 363

COMMERCE, U. S. DEPARTMENT OF
Administration statement of policy on standby controls ... 266
Food industries conference ... 111
Staff organization ... 136, 266

CONSOLIDATED FOODS CORP. purchase of Gibbs & Co., Inc. ... 312

CONSUMER AND TRADE RELATIONS PROGRAM. *See* NATIONAL CANNERS ASSOCIATION.

CONTAINERS
Frozen food containers ... 115, 229
Glass containers, shipments of ... 130, 184, 279, 304, 331, 347, 363
Metal cans, shipments of ... 130, 196, 279, 304, 331, 347, 363
Repackaging dairy products ... 324

COVINGTON, J. HARRY, Office of Counsel, N. C. A. ... 90

CUMMING, HOWARD T., Curtice Brothers Co. ... 157, Supp. April 10, 175

D

DEATHS. *See* OBITUARIES.

DEFENSE
Amortization under sec. 124A ... 119
Standby controls, Administration policy on ... 266

DEFENSE MOBILIZATION, OFFICE OF ... 119, 266, 358

DODDS, JOHN E., Schuckl & Co., Inc. ... 157, Supp. April 10

DUDLEY, ANDERSON & YUTZY ... 11, 15, 16, 18, 119, 137, 146, 152, 154, 157, 175, 181, 187, 199, 200, 229, 236, 237, 259, 264, 281, 288, 298, 363

E

EAMES, JR., ALFRED W., California Packing Corp. ... 145

ESTY, DR. J. R., Director, Western Branch Laboratory, N. C. A. ... 57, 175, 238

F

Page

FARM EQUIPMENT, supplies of 5, 345

FARM PROGRAM
- Cranberry sauce, surplus removal 115
- Diverted acreage 281, 291, 307, 311, 317, 325, 357
- N. C. A. statement on 311
- Potato assistance program 128, 151
- *See also* AGRICULTURAL POLICY.

FEDERAL TRADE COMMISSION. *See* TRADE PRACTICES.

FERTILIZER, consumption of 160, 345

FLORIDA CANNERS ASSOCIATION
- Meeting 317
- Officers 330

FOOD REGULATION
- Committee to be created to study FDA operations 353
- FDA regulation on revised procedure for establishing tolerances for pesticide chemicals 317
- FDA regulation on tolerances for pesticide chemicals 317, 318
- Text of proposed regulation 318
- FDA regulations on labeling dietary foods 120, 187, 237
- N. C. A. first to act under new standard-making procedure 175
- Tomato paste found adulterated because of mold 231
- Working agreement between FTC and FDA 217, 221
- *See also* INSPECTION, STANDARDS.

FOREIGN TRADE
- Antidumping investigations 315, 331
- Asparagus, canned, for Germany 328
- Bibliography of foreign trade publications 235
- British token import plan 5, 121, 250
- Canadian market data—publication 354
- Channels for trading abroad—publication 279
- Citrus export subsidy 338
- Citrus products to Europe 183, 342
- Commission on Foreign Economic Policy, reports 111
- Corned beef from Uruguay 136
- Council on Foreign Economic Policy 358
- Export of agricultural surplus 279, 284, 295, 299
- Foods having tariff protection equal to 50 percent or more of value 227
- Foreign Agricultural Service, Administrator appointed 241
- Foreign Government Purchasing Agencies—publication 276
- France eases taxes on foods 305
- Fruit cocktail to Canada 219, 331
- Fruit products, USDA program to encourage exports 116
- Fruits, canned, for Germany 328
- Fruits, canned, for U. K. under section 550 143
- Fruits, canned, price decontrol by U. K. 350
- General Agreement on Tariffs and Trade 121, 279, 295, 301, 328, 339
- International trade fairs 331
- Mexican import barriers 125, 136, 197, 331
- Philippine Trade Act and Agreement 150, 197, 208, 243, 251, 272, 305, 357
- Statistics
  - Export markets for canned fruits and vegetables 214
  - Exports by quantity and value 213
  - Imports of canned fruit and vegetable products 215
  - Shipments to U. S. territories and possessions 216
- Sweden liberalizes trade 305
- Tariff simplification 273, 289
- Tariffs
  - Canada 219, 331
  - Costa Rica 315
  - Mexico 125, 136, 331
- Tomato products, statistical classification of exports 358
- Trade agreements
  - Japan 121, 339
  - Philippine Republic 150, 197, 208, 243, 251, 272, 305, 357
- Trade Agreements Act 154, 173, 195, 219
- Trade agreements program tested by tuna industry 354
- U. K. protection for Empire fruit producers 263, 328
- USDA agricultural trade missions 123, 149, 245
- USDA Foreign Agricultural Trade Advisory Committee 126

FORTY-NINERS, THE, officers 107

FRANCIS, CLARENCE, special consultant to the President and chairman of the Interagency Committee on Agricultural Surplus Disposal 136, 295

FREE, SR., WILLIAM A., Hungerford Packing Co. 15, 16, 111, 199, 200

G

GEORGIA CANNERS ASSOCIATION
- Meeting 349
- Officers 367

GERBER PRODUCTS COMPANY, personnel 343

GIBBS & CO., INC., purchased by Consolidated Foods Corp. 312

GROCERY MANUFACTURERS OF AMERICA, INC., THE, officers 343

H

Page

HARVEY, JOHN L., Deputy Commissioner, FDA 307

HASTINGS, MAJ. GEN. KESTER L., Quartermaster General of the Army 122, 127

HIPKE, GILBERT J., A. T. Hipke & Sons, Inc. ..... 157, Supp. April 10

HOPE, CLIFFORD R., Chairman of House Agriculture Committee 153, 206

I

ILLINOIS CANNERS ASSOCIATION
- Meeting 329
- Officers 131

INDIANA CANNERS ASSOCIATION
- Meetings 157, 339
- Officers 171, 350

INSPECTION
- USDA inspection fees 117, 179

INSTITUTE OF FOOD TECHNOLOGISTS
- Babcock-Hart Award 169, 237
- Meetings 237, 241

IOWA-NEBRASKA CANNERS ASSOCIATION
- Meeting 329
- Officers 330

K

KRAUS, EDWIN C., Big Stone Canning Co. ..... 157, Supp. April 10

L

LABELING
- Dietary foods, FDA regulation on 120, 187, 237
- Monosodium glutamate, labeling of 305, 333, 334
- *See also* FOOD REGULATION, STANDARDS.

LABOR
- Fair Labor Standards Act
  - Area of production (Sec. 13 (a) (10)) definition 251, 299
  - Computation of overtime (Sec. 7 (f) (3)) 353
  - Fish canning exemption from overtime (Sec. 13 (b) (4)) 365
  - Seasonal industry determination of Florida citrus industry (Sec. 7 (b) (3)) 15
  - Wage-hour thrift plan regulations adopted 261
  - White collar exemption (Sec. 13 (a) (1)) 143, 254
- How to Start a Safety Program—publication 350
- Injury rates in manufacturing during second quarter, 1954 307
- Mexican farm labor program 137, 145, 173, 185, 330
- Walsh-Healey Act
  - Exemption not granted 195
  - Review of requirements 222
- Youth You Supervise, The—publication 347
- *See also* SOCIAL SECURITY.

LARRICK, GEORGE P., Commissioner of Food and Drugs 251, 349

LASSEN, DR. SVEN, research consultant, Van Camp Sea Food Co. 312

LOBBYING, Federal Act upheld by Supreme Court 234

LEGISLATION
- Agricultural attachés 132, 284
- Antitrust law study 255, 284
- Antitrust penalties 219, 284
- CCC borrowing increased 254, 284
- Census of manufactures 219, 254, 276, 284
- Customs simplification 219, 273, 284, 289
- Diverted acreage 277, 284
- Export of surplus agricultural commodities 145, 227, 242, 279, 284
- Fishery research 241, 284
- Food and Drug
  - Codification 181, 244, 284, 287
  - Export standards 284
  - Imitation foods 181, 227, 284
  - Intentional additives 284
  - Pesticide residues 7, 90, 111, 133, 137, 153, 157, 231, 242, 243, 284
  - Standard-making procedure 36, 95, 111, 137, 157, 169, 284
- Government finality clause 138, 177, 284
- High seas vessel protection 284
- International sugar agreement 177, 285
- Marketing orders on processing crops ..... 125, 133, 137, 143, 157, Supp. April 10, 161, 169, 175, 187, 191, 211, 231, 237, 247, 251, 254, 261, 265, 273, 277, 285
- Mexican farm labor program 119, 125, 133, 145, 173, 285
- North Pacific fisheries treaty 285
- Philippine Trade Act 208, 227, 233, 243, 251, 272, 285
- Renegotiation Act 277, 285
- Robinson-Patman Act 285
- Shrimp tariffs 285

NOTE: Supplements are indicated by "Supp." and the date of issuance.

Page

LEGISLATION—*Continued*
Social security 218, 251, 285, 296
Statehood for Alaska and Hawaii 285
Taxes 135, 153, 285
Texas City tin smelter 175, 211, 285
Tin committee 250, 286
Trade Agreements Act 154, 173, 195, 219, 233, 242, 285
Trip-leasing of trucks 191, 286
USDA appropriations 161, 211, 233
Unemployment compensation 286, 299
Wage-hour 119

LUECK, DR. R. H., American Can Company 367

M

MAHONEY, DR. C. H., Director, Raw Products Research Bureau, N. C. A. 241, 311, 333

MAINE CANNERS ASSOCIATION, meeting 356

MARKETING
Beef and vegetable promotion to have assistance of USDA 261
Farmer's share of the consumer's food dollar 339
Marketing of citrus 323, 342
USDA studies of milk marketing 304, 333

MARKETING ORDERS.
Marketing order for Maine potatoes 225, 247, 271, 279
Marketing order on olives 145, 211, 353
See also LEGISLATION.

MICHIGAN CANNERS AND FREEZERS ASSOCIATION
Meeting 352
Officers 358

MINNESOTA CANNERS AND FREEZERS ASSOCIATION
Meeting 356
Officers 367

MORRILL, JR., GEORGE B., Vice President, N. C. A. 13, 317, 349

MOSS, FRED M., Idaho Canning Co. ..... 157, Supp. April 10

N

NATIONAL-AMERICAN WHOLESALE GROCERS ASSOCIATION, officers 107

NATIONAL ASSOCIATION OF FROZEN FOOD PACKERS, officers 116

NATIONAL ASSOCIATION OF RETAIL GROCERS, officers 229

NATIONAL CANNERS ASSOCIATION
Administrative Council
Meetings of 11, 160
Members of 163
Board of Directors
Meetings of 14, 15, 133, 153, 160, 179, 181, 187, 195, 199
Members of 14, 162
Canners Directory 15, 125, 132, 149, 239
Committees
Special
Chemical additives in foods 166
Conference 166
Consumer and trade relations 111, 163, 199
Convention 166, 199
Procurement 119, 167
Standing
Adjustment 163
Claims 163
Executive 164, 209
Finance 14, 164
Fishery products 164
Home economics 164
Labeling 164, 199, 303
Technical advisory committee 164
Legislative 164, 199
Raw products 165, 199
Technical advisory committee 165, 186, 194, 195, 242
Resolutions 165
Scientific research 166
Washington laboratory committee 166
Washington laboratory advisory committee 166
Western laboratory committee 166
Western laboratory advisory committee 166
Eastern technical committee on baby foods 166, 349
Western technical committee on baby foods 166
Processing committee on foods in glass containers 166
Processing committee on foods in metal containers 166
Simplification of containers 165
Statistics 165
Taxation 165
Traffic 165

Page

NATIONAL CANNERS ASSOCIATION—*Continued*
Consumer and trade relations program 11, 15, 16, 18, 119, 137, 143, 146, 149, 152, 154, 157, 175, 181, 187, 199, 220, 225, 229, 230, 237, 240, 243, 244, 247, 251, 254, 259, 260, 264, 272, 276, 281, 288, 297, 298, 308, 309, 311, 317, 321, 329, 342, 345, 354, 363, 365, 367
Advance copies of canned foods articles mailed 161, 237, 243, 265, 291
Canned foods reference book 158
Convention, 1954
Cannery boiler operation 60–68
Filling operations in canning 69–78
Food regulation 90–94
Improving raw product quality 94–98
Merchandising canned foods 87–56
Proceedings of 11
Processing problems 78–89
Program 3–4
Program, printed 7
Publications 108
Publicity activities 108
Research activities 57–60
Resolutions 36
Schedule of events 2, 6
Telephone directory 7
Convention, 1955
Exhibit plans, C.M. & S.A. 179
Program 360–361, 366
Room requirements and reservations 261, 287, 299, 359
Speakers 357
Convention, 1956 199
Financial report, 1953 189
Fishery Products Division
Director resigns 355
Home Economics Division
Division advertisements 149, 219, 312
Simplified recipe terms for canned foods 273
Staff members at professional meetings 131, 236, 241, 264, 332
Information Division
Annual report 197
Canning Industry, The, second edition 265, 287
INFORMATION LETTER
Annual index 1
Binders 125
Convention issue 12
Schedule of issuance 7, 364
Laboratories, Research
Annual report of the Research Laboratories mailed 13
Canners technician schools 270
Gamma ray studies 217
Laboratory Manual for the Canning Industry 15, 157
Maintenance of glass processing equipment 185
Mobile field laboratory 273
Processes for Low-Acid Canned Foods in Glass Containers (Bulletin 30-L), scheduled additions and changes 181
Processing information for glass packers 181
Processing of Canned Freestone Peaches, Pears and Fruit Cocktail in Continuous Rotary Cookers 247
Research reports issued 9, 127, 191, 217, 226, 247
Sanitation conference addressed by N. C. A. sanitarians 145
Studies on Maine sardines 225
Studies on Thermophilic Flat Sour Contamination in Pea Blanchers 127
Water Re-use in Canneries (Bulletin 31-L): Section I, Pea Canneries 217
New members 115, 136, 186, 239, 258, 347
Northwest Branch
Seafood Scanner, The 145
Officers 11, 13, 162
Raw Products Research Bureau
Fertilizer removal by canning crops and competing crops 7
Technical Advisory Committee, studies on
Precision planters 194, 217
Seed quality 186
Spraying of row crops 195, 281
Tomato grade relationship studies 97
Tomato products sanitation 161
Secretary's annual report mailed 13
Statistics Division
Canned Food Pack Statistics bulletin 239
Statistical program 325

NATIONAL FOOD BROKERS ASSOCIATION, officers 107

NATIONAL KRAUT PACKERS ASSOCIATION, officers 264

NATIONAL PICKLE PACKERS ASSOCIATION, officers 337

NATIONAL PRESERVERS ASSOCIATION, officers 107

NEW YORK STATE CANNERS AND FREEZERS ASSOCIATION
Meeting 353
Officers 367

NORTHWEST CANNERS ASSOCIATION
Meeting 1
Officers 9

NORTHWEST PACKERS AND GROWERS, INC., officers 116

NOTE: Supplements are indicated by "Supp." and the date of issuance.

O

OBITUARIES — Page

Armstrong, Sr., Frank — 193
Braithwaite, William E. — 280
Clark, G. H. — 280
Clapper, William — 327
Davis, Berkeley — 155
Esty, Dr. J. Russell — 175
Fitzgerald, Jay E. — 178, 179
Gillilan, Strickland — 180
Hubbard, Dana M. — 107
Kappler, Wilbur P. — 173
Leininger, Harvey H. — 115
Sanborn, Norris H. — 288
Shaw, Elton S. — 107
Shook, Frank M. — 338
Underwood, William J. — 158

OHIO CANNERS ASSOCIATION
Meeting — 357
Officers — 367

OLD GUARD SOCIETY, officers — 107

OZARK CANNERS ASSOCIATION
Meeting — 123
Officers — 131

P

PACK STATISTICS. *See* STATISTICS.

PENNSYLVANIA CANNERS ASSOCIATION
Meeting — 345
Officers — 198, 350

PESTICIDE RESIDUES. *See* FOOD REGULATION.

PETERSON, ERVIN L., Assistant Secretary, USDA — 322

PHELPS, JR., EDWARD F., Office of Defense Mobilization — 358

PINEAPPLE GROWERS ASSOCIATION OF HAWAII, officers — 264

PROCESSED APPLES INSTITUTE, INC., officers — 230

PROCESSING
Food industry patent abstracts — 318
See also NATIONAL CANNERS ASSOCIATION.

PROCUREMENT
Agriculture, U. S. Department of
Beans, green, canned — 248, 263
Beef, canned — 142, 323, 342
Cranberry sauce, canned — 115
Figs, Kadota, canned — 280, 289
Grapefruit sections, canned — 342, 345, 350
Orange juice, canned — 354, 367
Peaches, canned — 253, 276
Peas, canned — 248, 263
Tomato products, canned — 261, 295
Total purchases for school lunch in 1953 — 253
Army QMC
Military procurement program for 1954 — 1, 44, 119, 127, 195, 211, 222
N. C. A. letters — 1, 119
Personnel — 44, 122
Purchases from 1953 pack — 253
QM Market Center System — 44
Requirements for canned foods — 46, 211
Set-aside order, 1953, terminated — 143
Small business preference — 143, 225
Canned foods for Korea — 253
Industry views on procurement reported to QM association — 311
Reorganization of subsistence services — 123
Veterans Administration
Invitations for bids — 121, 182, 223, 227, 234, 241, 245, 248, 259, 264, 272, 276, 280, 289, 295, 312
Purchases from 1953 pack — 253
Requirements for canned foods — 211
Walsh-Healey Act
Exemption not granted — 44, 195
Review of requirements — 222
U. S. Government Purchasing Directory — 196
U. S. Specifications Directory — 311

PROMOTION *See* PUBLICITY.

PUBLICATIONS
Bride's Cookbook, The, by Poppy Cannon — 327
Canning Trade Almanac, 1954 — 283
Chemistry and technology of fruit and vegetable juice production, The — 125
Distribution Data Guide — 148, 307
Fighting our Insect Enemies — 131
Food Industry Patent Abstracts — 318
Growing Table Beets — 197
How to Start a Safety Program — 350
Planning for A-bomb attack — 363
Recommendations for control of blight of pears, apples and quinces — 348

PUBLICATIONS—*Continued* — Page
Rhubarb Production, Outdoors and In — 197
Small Business Administration — 5
Management aids — 117, 130, 145, 275, 282, 310
Sweet Corn — 197
Tuna, A Saga of the Sea — 276
U. S. Government Purchasing Directory — 196
U. S. Specifications Directory — 311
USDA yearbook — 299
Weekly Weather and Crop Bulletin — 318
Youth You Supervise, The — 347
See also NATIONAL CANNERS ASSOCIATION.

PUBLICITY
Article by Charles R. Carry — 264
Article by President E. E. Willkie — 199
Article on home economics program — 240
Baby food, canned, featured — 160, 315
Bread, canned, featured — 173, 194, 259
Canned foods in civil defense — 309
Canning Industry, The—publication — 259, 265, 287, 305
Collier's Year Book — 229
Fish, canned, featured — 108, 117, 121, 131, 132, 134, 148, 151, 154, 160, 168, 177, 196, 220, 229, 236, 245, 250, 259, 282, 289, 292, 305, 308, 315, 332, 348
Formulated foods, canned, featured — 131, 177, 229, 229, 245, 259, 282, 289, 292, 315, 332, 343
Fruit, canned, featured — 108, 117, 121, 131, 132, 134, 148, 151, 154, 160, 173, 177, 194, 220, 229, 236, 245, 250, 259, 282, 292, 301, 305, 315, 324, 327, 332, 343, 352, 354, 368
Handbook of Food Preparation — 229
How Fresh Is Fresh?, by Fredrick J. Stare and Julia A. Shea — 273, 287
Jones & Laughlin Steel Corp., canned foods luncheon — 194
Meat and poultry, canned, featured 108, 117, 121, 125, 131, 134 148, 154, 160, 168, 177, 184, 194, 196, 220, 229, 236, 250, 259, 282, 289, 292, 298, 305, 315, 332, 343, 355
Milk, canned, featured — 194
Minnesota Canned Vegetable Week — 332
N. C. A. booklet, For Those Who Can — 173
N. C. A. Western Branch Laboratory — 9, 245
National Apple Week — 282
National Farm Home Editors meet at N. C. A. headquarters — 311
Philadelphia Bulletin — 240
Radio releases, results from — 240
Radio-TV appearances by N. C. A. personnel — 317, 329, 339, 345, 349
Soup, canned, featured — 9, 108, 117, 121, 125, 131, 134, 151, 154, 160, 168, 177, 196, 220, 229, 245, 250, 259, 282, 289, 292, 315, 343, 348
Sugar company promotion — 196
Vegetables, canned, featured 108, 117, 121, 125, 131, 134, 148, 151, 154, 160, 168, 173, 177, 184, 194, 196, 220, 229, 236, 245, 250, 259, 282, 289, 292, 315, 324, 327, 332, 343, 352

Q

QUARTERMASTER CORPS. *See* PROCUREMENT.

R

RATZESBERGER, JR., LOUIS, 1953 President, N. C. A. — 25, 108, 157, Supp. April 10, 175, 209

RAW PRODUCTS
First Gulf tuna catch landed — 323
Flavor changes influenced by applied chemicals — 241
Khapra beetle quarantine station — 327
New treatment found effective against Japanese beetle — 230
Onion breeding program — 197
Recommendations for control of blight of pears, apples, and quinces — 348
USDA insect pest survey and reporting service — 127
Weather Bureau forecasts for farmers — 149, 318

RENEGOTIATION
Renegotiation reports — 134, 208

REORGANIZATION
Task force on subsistence services — 123

RESEARCH
Apple juice, superconcentrate — 113
Bamboo crop proposed for South — 131
Citrus-nematode damage — 343
Dehydrated mashed potatoes — 343
Fishery research from customs receipts — 241
Food distribution research and marketing advisory group — 307
Fresh flavor applesauce — 355
Fruit uses by ice cream manufacturers — 134, 325
Institutional market study — 250
New lime superconcentrate — 212
RMA Citrus Research Advisory Committee — 149
RMA Deciduous Fruit Advisory Committee — 114
RMA Food and Nutrition Research Advisory Committee — 344
RMA Production Economics Research Advisory Committee — 363
RMA Vegetable Research Advisory Committee — 123
Stainless steel substitutes — 145

ROWLANDS, WILLIS L., Continental Can Company — 136

***NOTE:* Supplements are indicated by "Supp." and the date of issuance.**

S

Page

SANBORN, N. H., Washington Research Laboratory, N. C. A. 255, 268

SCHAFFER, JACOB, Food Industries Division, Business and Defense Services Administration, Commerce Department 266

SCHOOLS
Canner and fieldmen schools 118, 139, 154, 270, 350

SCHUCKL & CO., INC., award 338

SHRIVER COMPANY, THE B. F., personnel 160

SMALL BUSINESS ADMINISTRATION
Loan policy 243
Publications 5, 117, 130, 145, 275, 282, 310
Small business preference 143, 225, 303

SMITH, H. R., Washington Research Laboratory, N. C. A. 154, 311

SMITH, KATHERINE R., Director, Home Economics Division, N. C. A. 131, 170, 173, 177, 181, 241, 312, 332

SMITH, MILAN D., executive assistant to Secretary of Agriculture 329

SNIDER, O. E., Blue Lake Packers, Inc. 157, Supp. April 10, 175

SOCIAL SECURITY
Amendments, 1954 218, 251, 285, 296, 346, 366
Bean station manager ruled not employee of canner 354

STANDARDS
Agriculture, U. S. Department of
Asparagus for processing 113, 154
Beets, canned 240
Carrots, canned 224
Citrus juices 245, 295
Cucumber pickles 152
Grapefruit, canned 113
Peas, canned 1, 112, 127, 183, 174
Text of proposed standards 174
Tomato sauce 158
Health, Education and Welfare, U. S. Department of
Catsup 175, 187, 271, 303
Text of standards 271, 303
FDA statement of policy on interstate shipments of experimental packs 175, 271
Fruits, artificially sweetened 216
Monosodium glutamate in canned vegetables 281, 303, 333, 334, 365
Text of standards 334
Procedures for establishing food standards interpreted 255

STARE, DR. FREDRICK J., Harvard School of Public Health 26, 273

STATISTICS, BUSINESS
Business indicators 127, 189, 252, 274, 336
Farm cost situation 345

STATISTICS, FOOD
Consumption
Civilian per capita consumption 124, 140, 176, 189, 255, 261, 306, 326
Percent of families using canned foods 30, 140
N. C. A. program of reporting pack and stock statistics 325
Pack
Apple juice 226
Apples 226
Applesauce 226
Apricots 301
Asparagus 289
Baby food 155
Beans, green and wax 10
Beans, lima 354
Beets 120, 150
Blackberries 351
Blueberries 208
Boysenberries 351
Carrots 120, 150
Carrots and peas 188
Catsup 10
Cherries, RSP 301
Cherries, sweet 301
Chili sauce 10
Corn, sweet 339
Cranberry sauce 208
Fish 120, 278, 295
Fruit spread 115, 327
Greens 183
Loganberries 170, 351
Meat
Fiscal 258
Monthly 114, 128, 155, 176, 198, 244, 252, 275, 300, 323, 341
Okra 140
Peaches 351
Peaches, spiced 208, 351
Pears 5, 368
Peas, black-eye and other field 140
Peas, green 291
Pimientos 188, 368

STATISTICS, FOOD—*Continued*
Page
Plums 208
Potatoes, sweet 176
Potatoes, white 176
Poultry 114, 183, 263, 289, 309, 335
Raspberries, black 170
Raspberries, red 170
Sauerkraut 140
Spinach 183
Strawberries 170
Succotash 188
Tomato juice 5
Tomato pulp 140
Tomatoes 10
Vegetables, mixed 188
Youngberries 170

Prices
Farm Prices and the Cost of Food—Report by the House Agriculture Committee 262
Farmer's share of the consumer's food dollar 339
Grower 183, 257, 262, 265, 309, 335
Retail 265

Production, crop
Apples 223, 268, 291, 314, 333, 365
Apricots 188, 223, 268, 293, 333, 365
Asparagus 365
Beans, dry 151, 270, 293, 314, 326, 335, 365
Beans, green and wax 167, 188, 232, 243, 249, 267, 294, 335, 365
Beans, lima 188, 243, 249, 294, 313, 336, 365
Beets 170, 188, 243, 248, 293, 313, 335, 365
Cabbage for kraut 167, 188, 243, 249, 267, 294 313, 335 365
Cherries, RSP 233, 269, 365
Cherries, sweet 188, 223, 269, 314, 333, 365
Citrus fruits 120, 139, 167, 189, 224, 270, 293, 314, 335, 359, 365
Corn 167, 188, 232, 252, 267, 294, 313, 335, 365
Cranberries 275, 293, 314, 333, 365
Cucumbers for pickles 170, 188, 232, 335, 365
Goals for 1954 vegetables 115
Grapes 269, 293, 314, 365
Peaches 188, 223, 268, 291, 314, 365
Pears 269, 291, 314, 333, 365
Peas, dry 151, 270, 293, 314, 365
Peas, green 140, 188, 208, 231, 232, 243, 246, 253, 335, 365
Pimientos 208, 243, 249, 295, 313, 336, 365
Plums 189, 269, 293, 314, 333, 365
Potatoes, sweet 151, 270, 293, 314, 335, 365
Potatoes, white 151, 158, 270, 293, 314, 335, 365
Prunes 189, 269, 293, 314, 333, 365
Rice 293, 314, 365
Soybeans 151, 293, 314, 365
Spinach 9, 140, 188, 224, 335, 365
Tomatoes 169, 188, 243, 249, 267, 294, 313, 335, 365
Wheat, durum 133, 151, 239, 270, 293, 314, 365

Production, livestock 135, 198, 244, 323

Stocks and Shipments
Apples 114, 135, 150, 171, 208, 226, 252, 278, 306, 323, 351
Applesauce 114, 135, 150, 171, 208, 226, 252, 278, 306, 323, 351
Apricots 128, 171, 233
Asparagus 5, 128, 150
Baby food 5, 115, 128, 150, 171, 198, 226, 258, 278, 301, 326, 348, 368
Beans, dry, edible 351
Beans, green and wax 114, 135, 150, 171, 208, 233, 252
Beans, lima 135, 208, 278
Beets 120, 150, 208, 252
Carrots 120, 150, 208, 252
Catsup 10, 128, 171, 258
Cherries, RSP 114, 128, 144, 150, 171, 208, 226, 252, 326, 348, 368
Cherries, sweet 128, 171, 233
Chili sauce 10, 128, 171, 258
Corn 5, 114, 128, 150, 171, 208, 233, 278, 348, 368
Peaches 128, 171
Pears 5, 128, 171, 233
Peas 5, 114, 135, 150, 171, 208, 233, 326, 348, 368
Pumpkin 5, 171, 252
Sauerkraut, bulk 114, 155, 239, 278
Squash 5, 171, 252
Tomato juice 5, 10, 128, 171, 258
Tomatoes 10, 128, 171, 258
Value of 1953 shipments 289
Wholesale distributor 123, 182, 239, 258, 351
Schedule of issuance of reports 327
Utilization of citrus fruits for canning 120, 139, 189
Utilization of non-citrus fruits for canning 244

STIER, DR. HOWARD L., Director, Division of Statistics, N. C. A. 118, 123, 139, 152, 216, 225, 289, 311, 321, 331, 356

SUGAR
Consumption quota 144, 342, 350; 365
International agreement on 177

SULLIVAN, C. MERYL, Director, Labeling Research Division, N. C. A. 331

SUPER MARKET INSTITUTE, officers 209

NOTE: Supplements are indicated by "Supp." and the date of issuance.

T

Page

TATE, HELEN, retirement from N. C. A. 234

TAXES
- Excise taxes 135, 153, 285
- Income taxes 285

TEXAS CANNERS ASSOCIATION, officers 326

TIN
- Federal Facilities Corporation, creation of 235
- International agreement on 136, 137
- Texas City tin smelter 175, 211, 235

See also CONTAINERS.

TOMATO COUNCIL, INC., THE, officers 107

TRADE PRACTICES
- Growers organization fined for antitrust violation 187

TRAFFIC
- Cabinet Committee on Transport Policy 247
- Prevention of damage to railroad equipment 330
- Transcontinental rail rates 116

TRI-STATE PACKERS ASSOCIATION, INC.
- Meetings 137, 321, 349
- Officers 356

U

U. S. WHOLESALE GROCERS ASSOCIATION, officers 209

UTAH CANNERS ASSOCIATION
- Meeting 137
- Officers 142, 367

V

Page

VANDER HEIDE, JOHN S., Director, Food Industries Division, Business and Defense Services Administration, Commerce Department 266

VETERANS ADMINISTRATION. *See* PROCUREMENT.

VIRGINIA CANNERS ASSOCIATION
- Meeting 127
- Officers 136

W

WILLITS, OLIVER G., vice-chairman of the board, Campbell Soup Company 301

WILLKIE, E. E., President, N. C. A. 1, 13, 137, 143, 161, 199, 329, 333, 339, 349, 353, 357

WISCONSIN CANNERS ASSOCIATION
- Meetings 152, 157, 338
- Officers 338

WOODBURY AWARD 363

Y

YORK, C. WALT, editor, *The Canner* 154

YOUNG GUARD SOCIETY, officers 107